

CLAIMS

1. An aluminum-made heat exchanger, comprising:

a flat tube (5) formed by, using an aluminum strip-shaped material of which core metal (1) is coated with a brazing metal (2) on the outer surface thereof and is coated with a sacrificial anode material (3) on the inner surface thereof, bending the strip-shaped material in the width direction,

many flat tubes (5) are disposed parallel to each other to form a core of the heat exchanger, and each of these parts are fixed integrally by means of brazing,

wherein the brazing metal (2) is of an Al-Si alloy, the core metal (1) is of an Al-Si alloy including Si of 0.4 to 1.2% by weight, the sacrificial anode material (3) is of an Al-Mg-Zn alloy including Mg of 0.3 to 0.75% by weight, the aluminum-made heat exchanger is structured by being subjected to a brazing in a furnace using a flux for brazing to join the parts being interposed by the brazing metal (2).
2. The aluminum-made heat exchanger according to claim 1, wherein the brazing metal (2) of an aluminum alloy including Si of 7.5 to 12% by weight, the core metal (1) is equivalent to A3003 aluminum material added with Si of 0.4 to 1.2% by weight, the sacrificial anode material (3) is equivalent to A7072 added with Mg of 0.3 to 0.75% by weight.